

FIG. 1

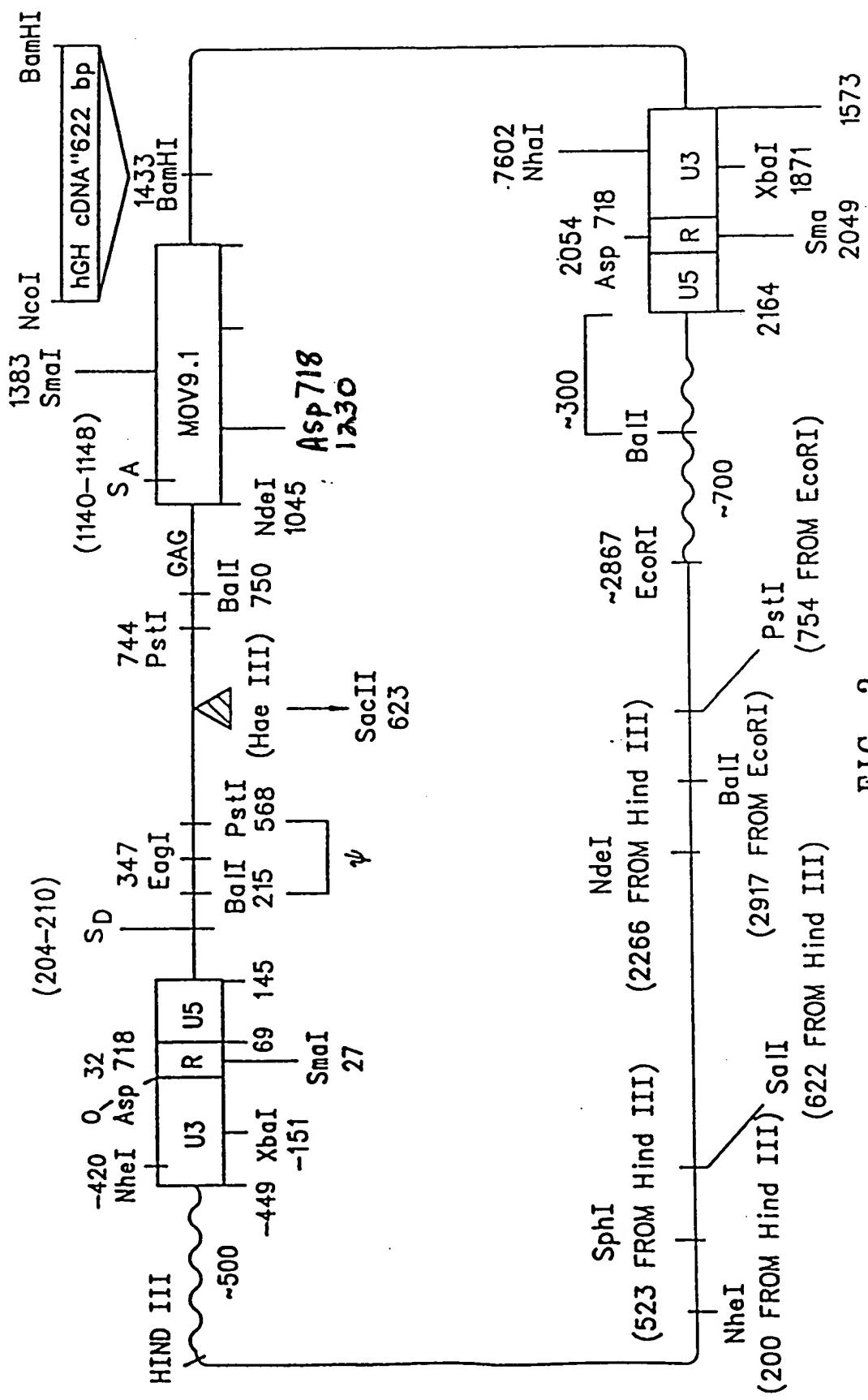


FIG. 3

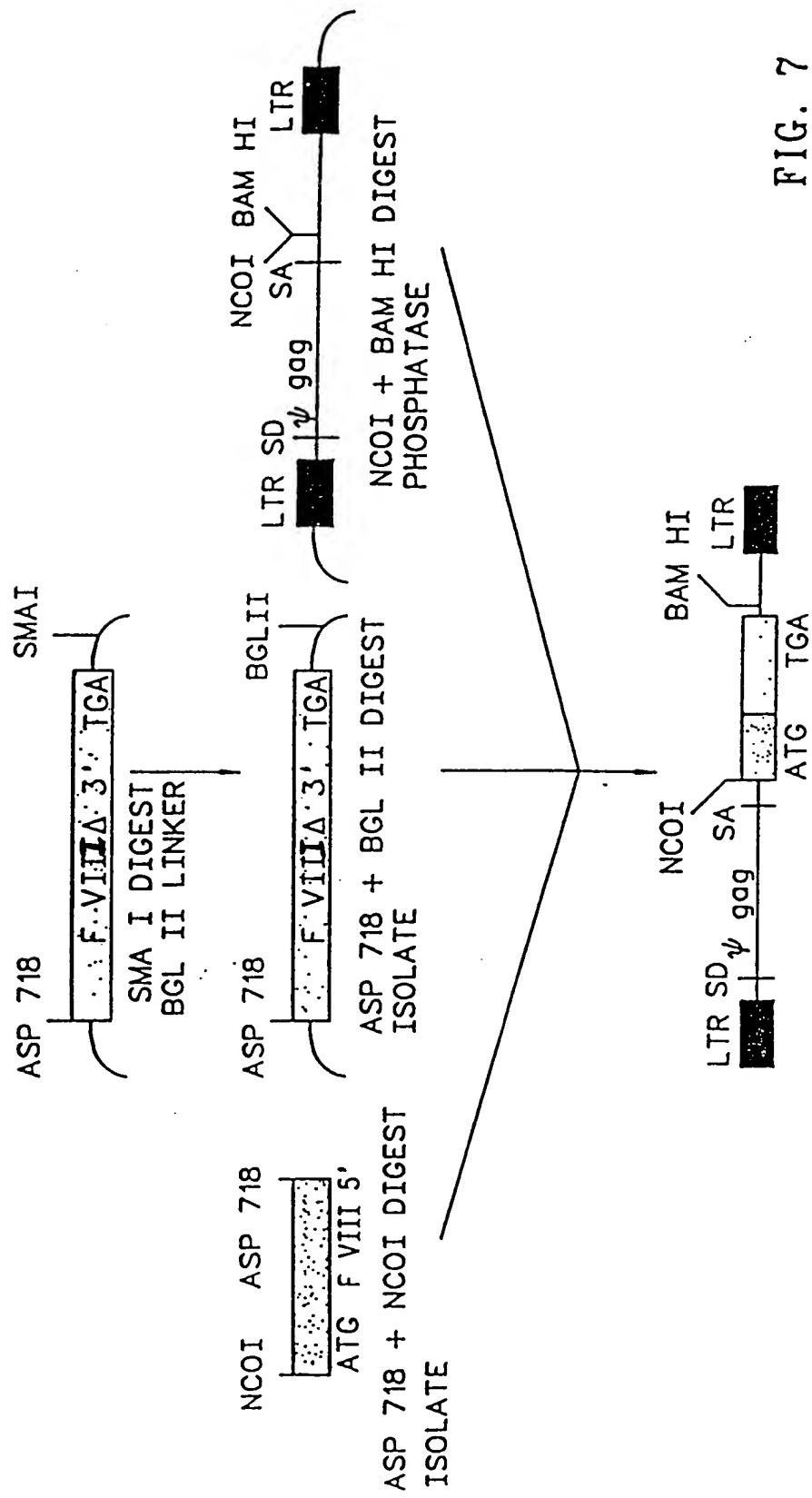
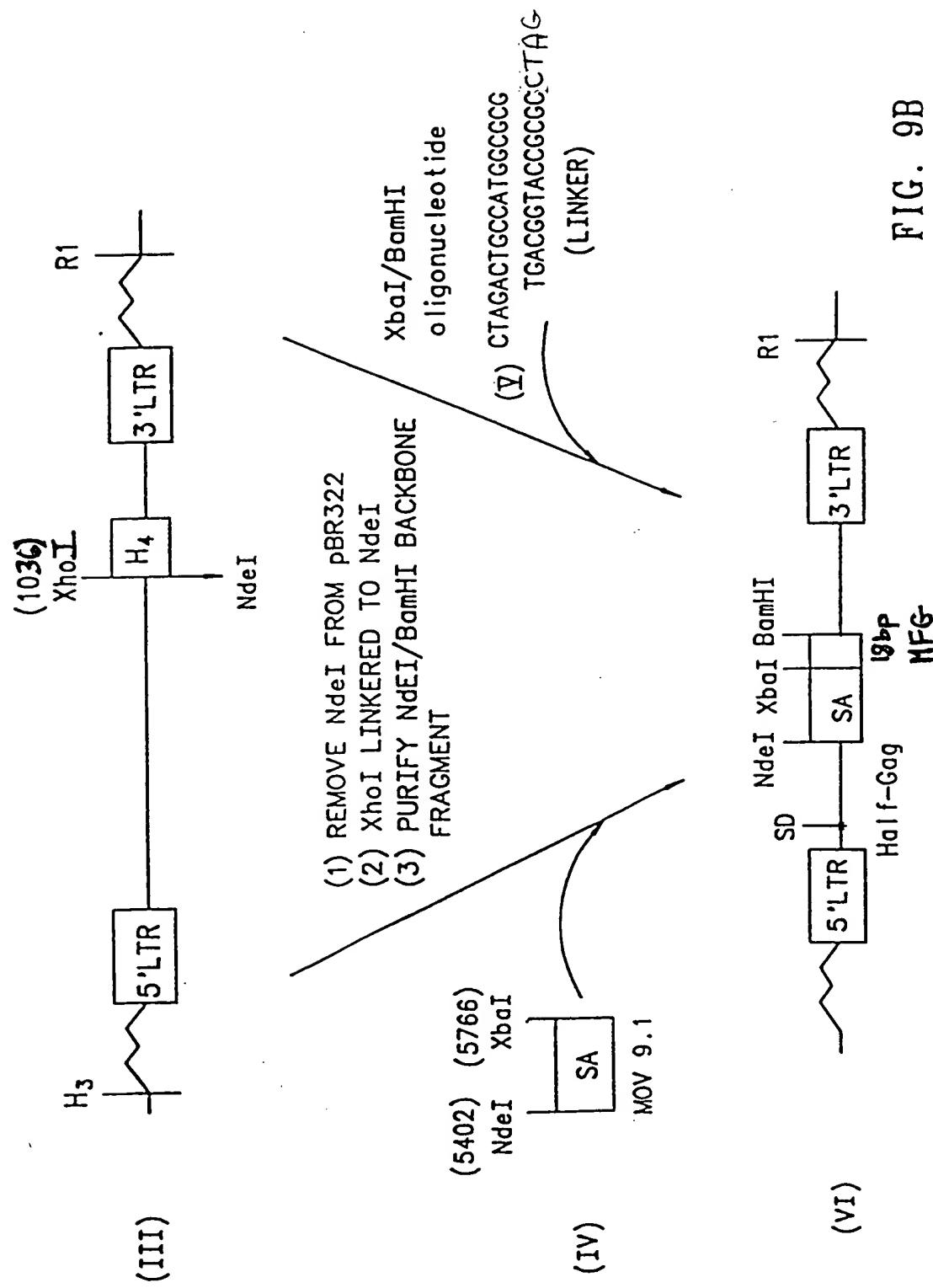


FIG. 7



FIG. 8



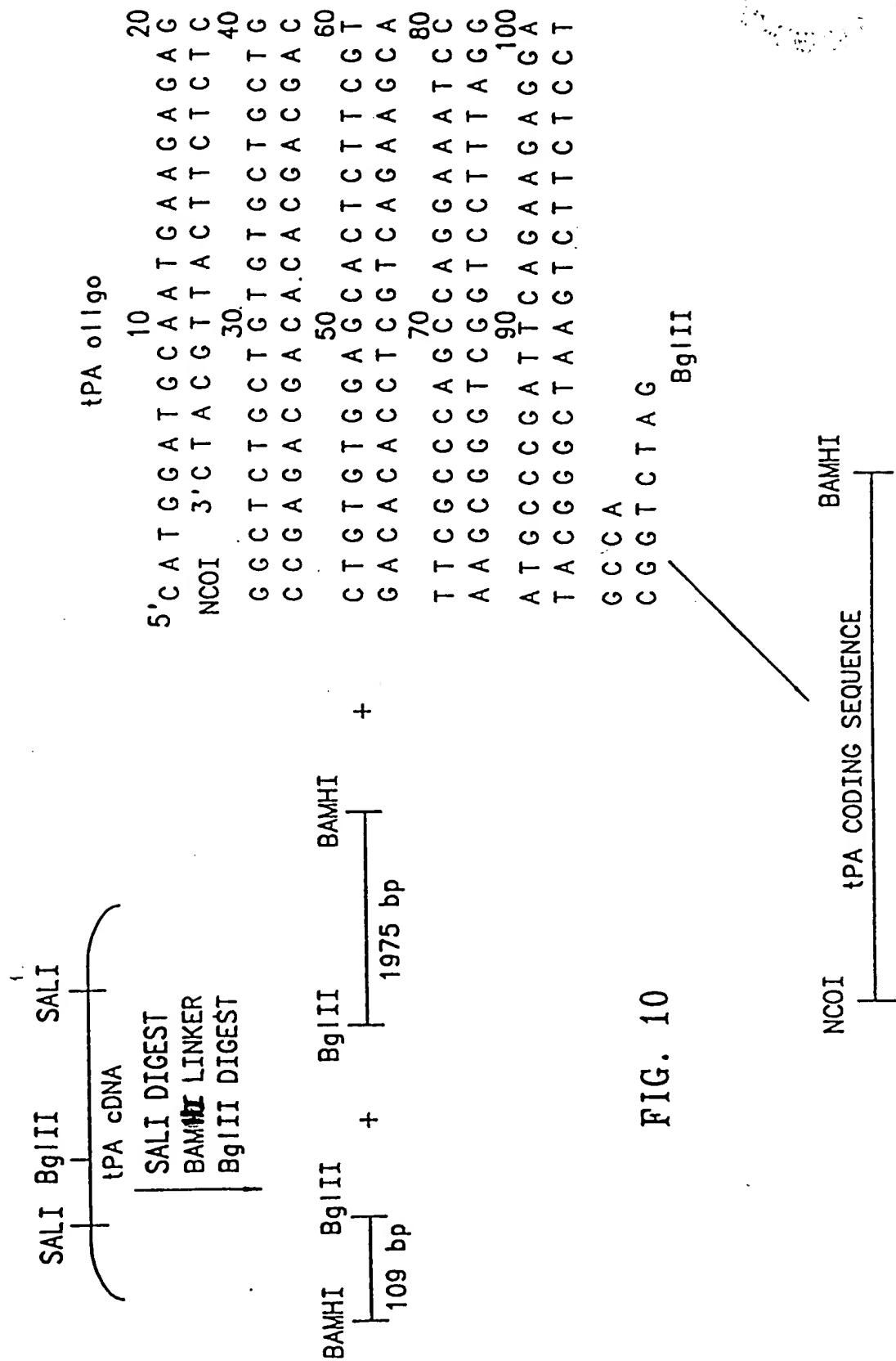


FIG. 10

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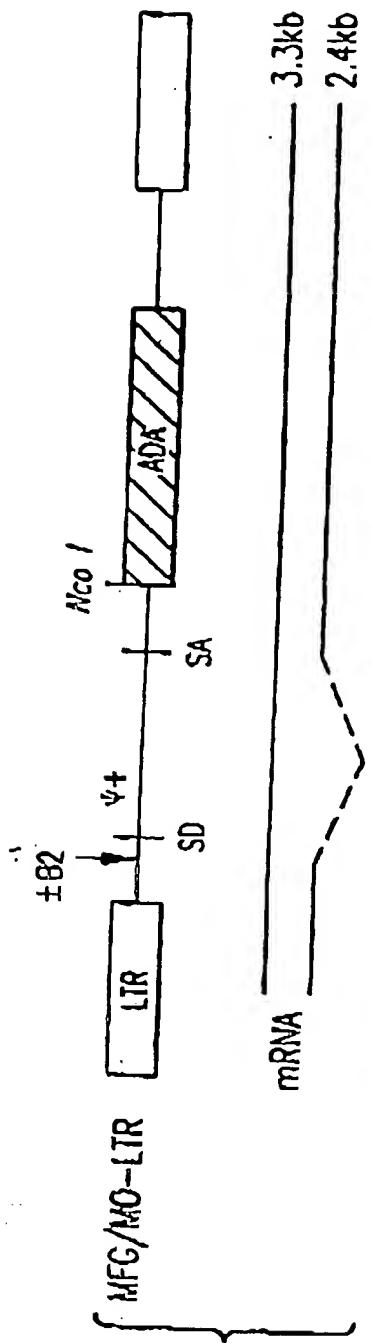


FIG. 11A

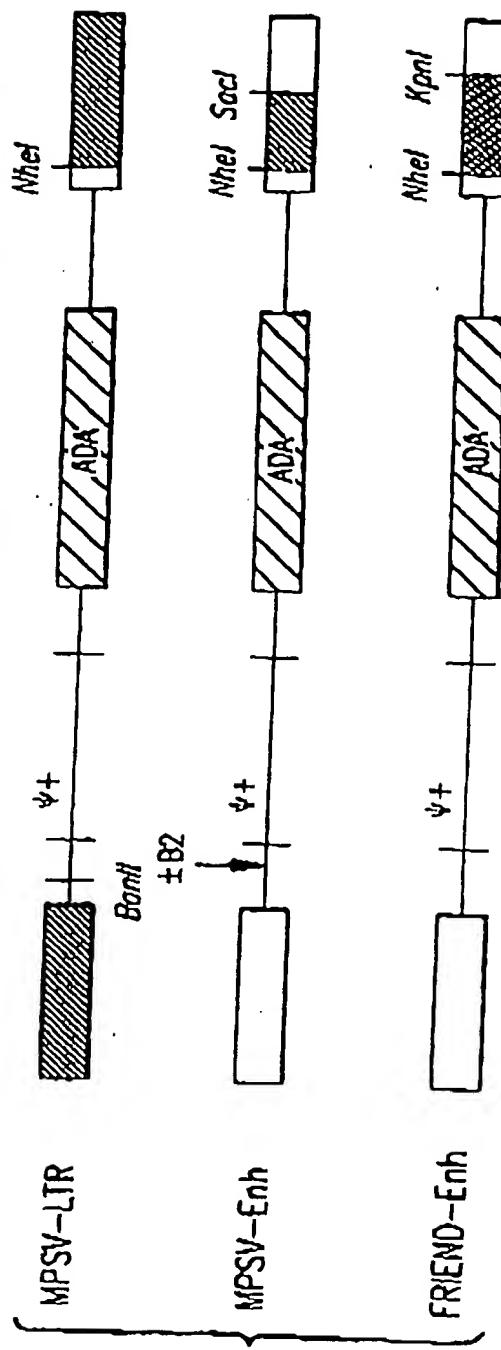


FIG. 11B

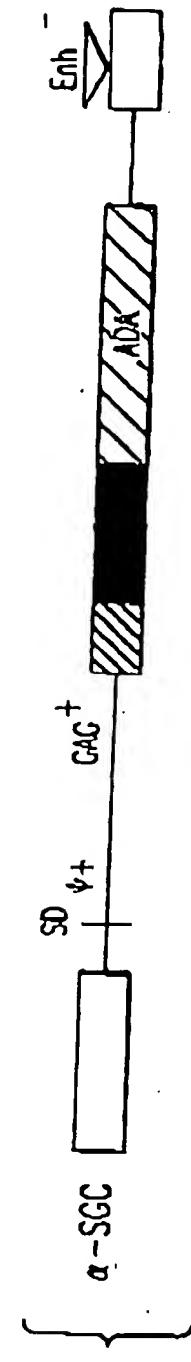
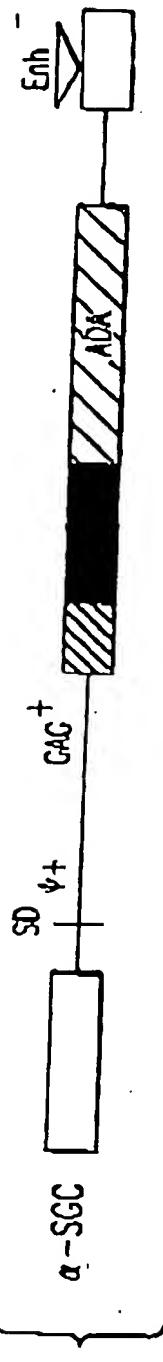


FIG. 11C



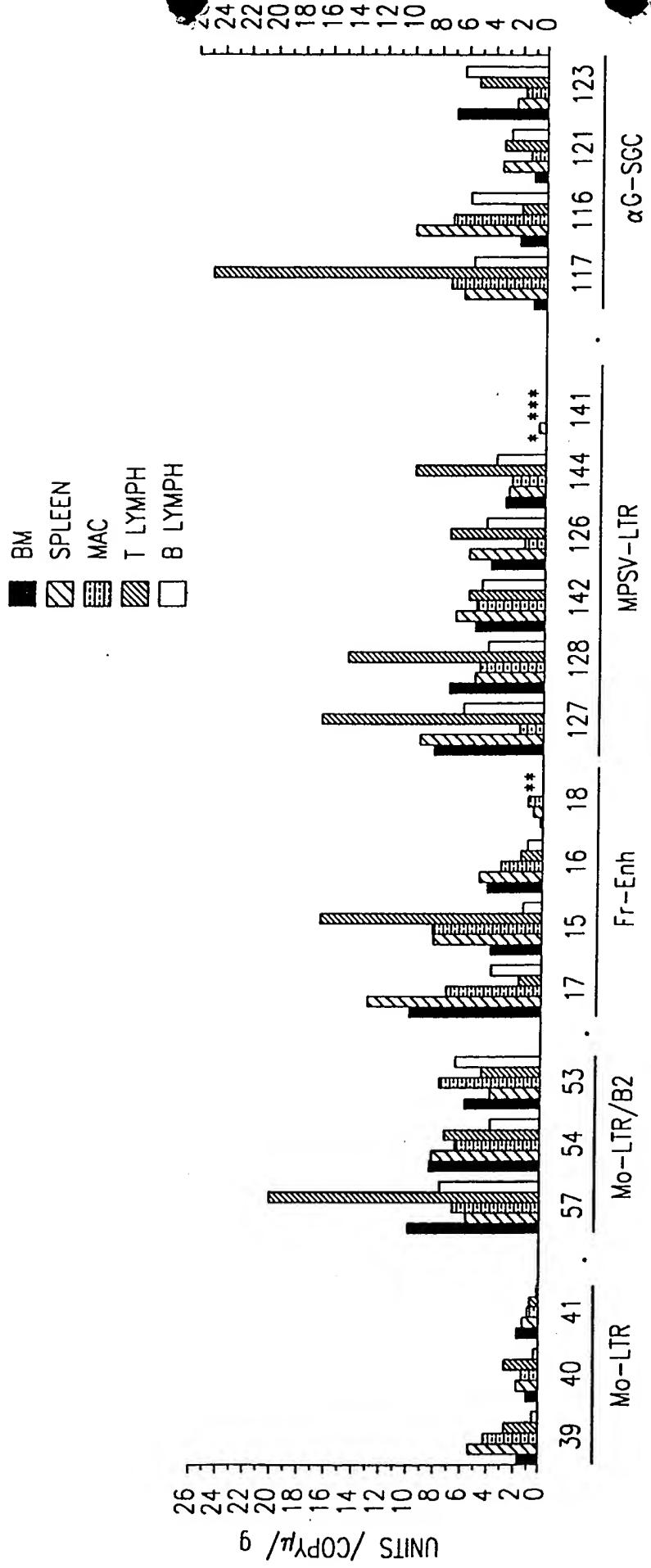


FIG. 13A

FIG. 15

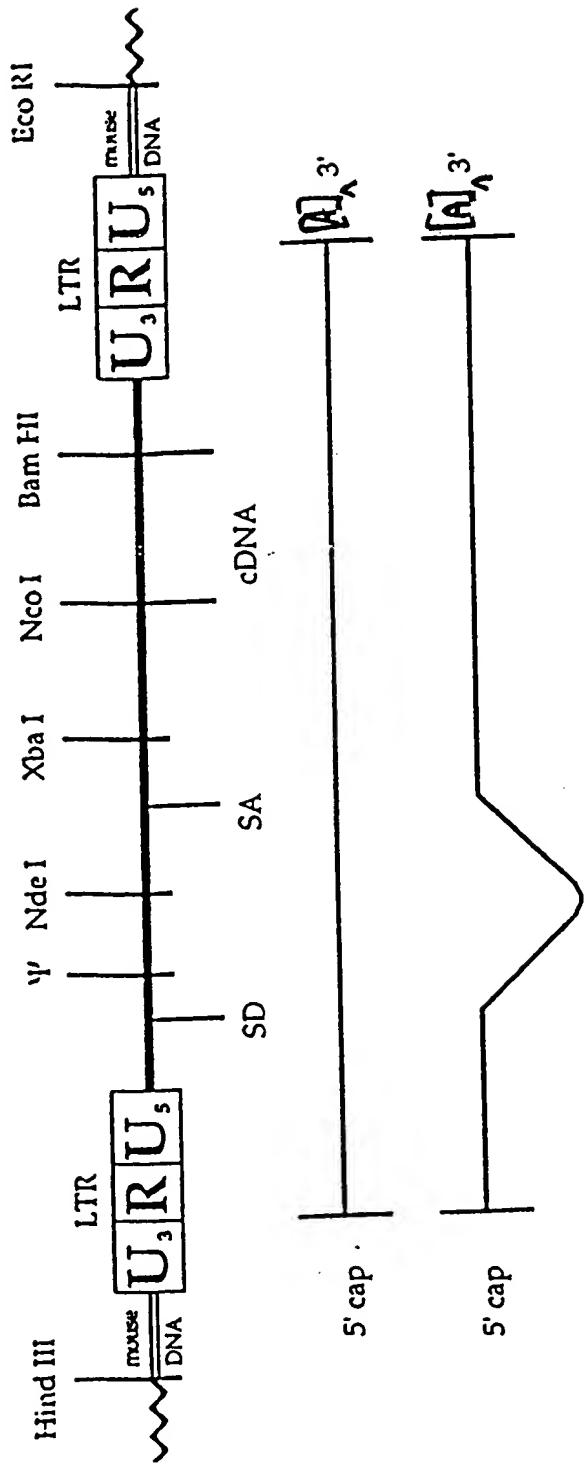


FIG. 17

1 AAGCTTGCT CTTAGGAGTT TCCTAATACA TCCCAAACTC AAATATATAA AGCATTGAC
TTCGAAACGA GAATCCTCAA AGGATTATGT AGGGTTTGAG TTTATATATT TCGTAAACTG
61 TTGTTCTATG CCCTAGGGGG CGGGGGGAAG CTAAGCCAGC TTTTTTTAAC ATTTAAAATG
ACAAGATAC GGGATCCCCC GCCCCCTTC GATTGGTCG AAAAAAATTG TAAATTTAC
121 TTAATTCCAT TTTAAATGCA CAGATGTTT TATTCATAA GGGTTCAAT GTGCATGAAT
AATTAAGGTA AAATTTACGT GTCTACAAAA ATAAAGTATT CCCAAAGTTA CACGTACTTA
181 GCTGCAATAT TCCTGTTACC AAAGCTAGTA TAAATAAAA TAGATAAACG TGGAAATTAC
CGACGTTATA AGGACAATGG TTTGATCAT ATTTATTTT ATCTATTTGC ACCTTTAATG
241 TTAGAGTTTC TGTCATTAAC GTTCCCTTCC TCAGTTGACA ACATAATGC GCTGCTGAGC
AATCTCAAAG ACAGTAATTG CAAAGGAAGG AGTCAACTGT TGTATTTACG CGACGACTCG
301 AAGCCAGTT GCATCTGTCA GGATCAATT CCCATTATGC CAGTCATATT AATTACTAGT
TTCGGTCAAA CGTAGACAGT CCTAGTTAAA GGGTAATACG GTCAGTATAA TTAATGATCA
361 CAATTAGTTG ATTTTATTT TTGACATATA CATGTGAATG AAAGACCCC CCTGTAGGTT
GTTAATCAAC TAAAAATAAA AACTGTATAT GTACACTTAC TTTCTGGGT GGACATCCAA
421 TGGCAAGCTA GCTTAAGTAA CGCCATTGG CAAGGCATGG AAAAATACAT AACTGAGAAT
ACCGTTCGAT CGAATTCTATT CGGGTAAAC GTTCCGTACC TTTTATGTA TTGACTCTTA
481 AGAAAAGTTC AGATCAAGGT CAGGAACAGA TGGAACAGCT GAATATGGC CAAACAGGAT
TCTTTCAAG TCTAGTTCCA GTCCTTGTCT ACCTTGTGA CTTATACCCG GTTGTCTTA
541 ATCTGTGGTA AGCAGTTCCCT GCCCGGGCTC AGGGCCAAGA ACAGATGGAA CAGCTGAATA
TAGACACCCT TCGTCAAGGA CGGGGCCGAG TCCCGGTTCT TGTCTACCTT GTCGACTTAT
601 TGGGCCAAAC AGGATATCTG TGGTAAGCAG TTCCTGCCCG GGCTCAGGGC CAAGAACAGA
ACCGGTTTG TCCTATAGAC ACCATTGTC AAGGACGGGG CCGAGTCCCG GTTCTGTCT
661 TGGTCCCCAG ATGCGGTCCA GCCCTCAGCA GTTTCTAGAG AACCATCAGA TGTTCCAGG
ACCAGGGGTC TACGCCAGGT CGGGAGTCGT CAAAGATCTC TTGGTAGTCT ACAAAGGTCC
721 GTGCCCAAG GACCTGAAAT GACCTGTGC CTTATTTGAA CTAACCAATC AGTCGCTTC
CACGGGGTTC CTGGACTTTA CTGGACACCG GAATAAACTT GATTGGTTAG TCAAGCGAAG
781 TCGCTTCTGT TCGCGCGCTT CTGCTCCCCG AGCTCAATAA AAGAGCCCAC AACCCCTCAC
AGCGAAGACA AGCGCGCGAA GACGAGGGGC TCGAGTTATT TTCTCGGGTG TTGGGGAGTG
841 TCGGGGCGCC AGTCCTCCGA TTGACTGAGT CGCCGGGTA CCCGTGTATC CAATAAACCC
AGCCCCGCGG TCAGGAGGCT AACTGACTCA GCGGGCCCAT GGGCACATAG GTTATTTGGG
901 TCTTGAGTT GCATCCGACT TGTGGTCTCG CTGTTCTTG GGAGGGTCTC CTCTGAGTGA
AGAACGTCAA CGTAGGCTGA ACACCAGAGC GACAAGGAAC CCTCCCAGAG GAGACTCACT
961 TTGACTACCC GTCAGCGGGG GTCTTCATT TGGGGGCTCG TCCGGGATCG GGAGACCCCT
AACTGATGGG CAGTCGCCCC CAGAAAGTAA ACCCCCGAGC AGGCCCTAGC CCTCTGGGG
1021 GCCCAGGGAC CACCGACCCA CCACCGGGAG GTAAGCTGGC CAGCAACTTA TCTGTGTCTG
CGGGTCCCTG GTGGCTGGGT GGTGGCCCTC CATTGACCG GTCGTTGAAT AGACACAGAC

2281 GCGCGGATCC GGATTAGT AATTGTAA AGACAGGATA TCAAGGTCC AGGCTCTAGT
 CGCGCCTAGG CCTAATCAGG TTAAACAATT TCTGTCTAT AGTCACCAGG TCCGAGATCA

 2341 TTTGACTCAA CAATATCACC AGCTGAAGCC TATAGAGTAC GAGCCATAGA TAAAATAAAA
 AACTGAGTT GTTATAGTGG TCGACTTCGG ATATCTCATG CTCGGTATCT ATTTTATTTT

 2401 GATTTTATTT AGTCTCCAGA AAAAGGGGGG AATGAAAGAC CCCACCTGTA GGTTTGGCAA
 CTAAAATAAA TCAGAGGTCT TTTTCCCCCC TTACTTTCTG GGGTGGACAT CCAAACCGTT

 2461 GCTAGCTTAA GTAACGCCAT TTTGCAAGGC ATGGAAAAAT ACATAACTGA GAATAGAGAA
 CGATCGAATT CATTGCGGTAA AACGTTCCG TACCTTTTTA TGTATTGACT CTTATCTCTT

 2521 GTTCAGATCA AGGTCAAGGAA CAGATGGAAC AGCTGAATAT GGGCCAAACA GGATATCTGT
 CAAGTCTAGT TCCAGTCCTT GTCTACCTTG TCGACTTATA CCCGGTTTGT CCTATAGACA

 2581 GGTAAGCAGT TCCTGCCCCG GCTCAGGGCC AAGAACAGAT GGAACAGCTG AATATGGGCC
 CCATTCTGTCA AGGACGGGGC CGAGTCCCAGG TTCTTGTCTA CCTTGTGAC TTATACCCGG

 2641 AAACAGGATA TCTGTGGTAA GCAGTTCTG CCCCAGCTCA GGGCCAAGAA CAGATGGTCC
 TTTGCTCTAT AGACACCATT CGTCAAGGAC GGGGCCGAGT CCCGGTTCTT GTCTACCAGG

 2701 CCAGATGCGG TCCAGCCCTC AGCAGTTCT AGAGAACCAT CAGATGTTTC CAGGGTGC
 GGTCTACGCC AGGTCAAGGAG TCGTCAAAGA TCTCTTGGTA GTCTACAAAG GTCCCACGGG

 2761 CAAGGACCTG AAATGACCCCT GTGCCTTATT TGAACTAACC AATCAGTTCG CTTCTCGCTT
 GTTCTGGAC TTTACTGGGA CACGGAATAA ACTTGATTGG TTAGTCAAGC GAAGAGCGAA

 2821 CTGTTCGCGC GCTTCTGCTC CCCGAGCTCA ATAAAAGAGC CCACAACCCC TCACTCGGGG
 GACAAGCGCG CGAAGACGAG GGGCTCGAGT TATTTCCTCG GGTGTGGGG AGTGAGCCCC

 2881 CGCCAGTCCT CCGATTGACT GAGTCGCCCG GGTACCCGTG TATCCAATAA ACCCTCTTGC
 GCGGTCAGGA GGCTAACTGA CTCAGCGGGC CCATGGCAC ATAGGTTATT TGGGAGAACG

 2941 AGTTGCATCC GACTTGTGGT CTCGCTGTT CTTGGGAGGG TCTCCTCTGA GTGATTGACT
 TCAACGTAGG CTGAACACCA GAGCGACAAG GAACCCCTCCC AGAGGAGACT CACTAACTGA

 3001 ACCCGTCAGC GGGGTCTTT CACACATGCA GCATGTATCA AAATTAATTG GTTTTTTTT
 TGGGCAGTCG CCCCCAGAAA GTGTGTACGT CGTACATAGT TTTAATTAAA CCAAAAAAAA

 3061 CTTAAGTATT TACATTAAAT GGCCATAGTA CTTAAAGTTA CATTGGCTTC CTTGAAATAA
 GAATTCTAA ATGTAATTAA CCGGTATCAT GAATTTCAT GTAACCGAAG GAACTTTATT

 3121 ACATGGAGTA TTCAGAATGT GTCATAAATA TTTCTAATTG TAAGATAGTA TCTCCATTGG
 TGTACCTCAT AAGTCTTACA CAGTATTAT AAAGATTAAA ATTCTATCAT AGAGGTAACC

 3181 CTTTCTACTT TTTCTTTTAT TTTTTTTTGT CCTCTGTCTT CCATTGTTG TTGTTGTTGT
 GAAAGATGAA AAAGAAAATA AAAAAAAACA GGAGACAGAA GGTAAACAAAC AACAAACAACA

 3241 TTGTTTGTGTT GTTTGTTGGT TGGTTGGTTA ATTTTTTTT AAAGATCCTA CACTATAGTT
 AACAAACAAA CAAACAAACCA ACCAACCAAT AAAAAAAA TTTCTAGGAT GTGATATCAA

 3301 CAAGCTAGAC TATTAGCTAC TCTGTAACCC AGGGTGACCT TGAAGTCATG GGTAGCCTGC
 GTTCGATCTG ATAATCGATG AGACATTGGG TCCCAC TGGA ACTTCAGTAC CCATCGGACG

 3361 TGTTTAGCC TTCCCCACATC TAAGATTACA GGTATGAGCT ATCATTTTG GTATATTGAT
 ACAAAATCGG AAGGGTGTAG ATTCTAATGT CCATACTCGA TAGTAAAAC CATATAACTA

 3421 TGATTGATTG ATTGATGTGT GTGTGTGTGA TTGTGTTGT GTGTGTGANT GTGWANATGT
 ACTAACTAAC TAACTACACA CACACACACT AACACAAACA CACACACTNA CACWTNTACA

FIG. 17

1081 TCCGATTGTC TAGTGTCTAT GACTGATTT ATGCGCCTG~~E~~ GTCGGTACTA GTTAGCTAAC
 AGGCTAACAG ATCACAGATA CTGACTAAAA TACGCGGACG CAGCCATGAT CAATCGATTG

 1141 TAGCTCTGTA TCTGGCGGAC CCGTGGTGG~~A~~ ACTGACGAGT TCGGAACACC CGGCCGCAAC
 ATCGAGACAT AGACCGCCTG GGCACCACCT TGACTGCTCA AGCCTTGTGG GCCGGCGTTG

 1201 CCTGGGAGAC GTCCCAGGG~~A~~ CTTGGGGGC CGTTTTGTG GCCCACCTG AGTCCTAAA
 GGACCCCTCTG CAGGGTCCCT GAAGCCCCCG GCACAAACAC CGGGCTGGAC TCAGGATTT

 1261 TCCCAGATCGT TTAGGACTCT TTGGTGCACC CCCCTAGAG GAGGGATATG TGGTTCTGGT
 AGGGCTAGCA AATCCTGAGA AACACAGTGG GGGGAATCTC CTCCCTATAC ACCAAGACCA

 1321 AGGAGACGAG AACCTAAAAC AGTTCCCGCC TCCGTCTGAA TTTTGCTTT CGGTTTGGGA
 TCCTCTGCTC TTGGATTTG TCAAGGGCGG AGGCAGACTT AAAACGAAA GCCAAACCT

 1381 CCGAAGCCGC GCCGCGCGTC TTGTCTGCTG CAGCATCGTT CTGTGTTGTC TCTGTCTGAC
 GGCTTCGGCG CGGCGCGCAG AACAGACGAC GTCTAGCAA GACACAACAG AGACAGACTG

 1441 TGTGTTCTG TATTGTCTG AAAATATGGG CCCGGGCTAG ACTGTTACCA CTCCCTTAAG
 ACACAAAGAC ATAAACAGAC TTTTATACCC GGGCCCGATC TGACAATGGT GAGGGAAATTC

 1501 TTTGACCTTA GGTCACTGGA AAGATGTCGA GCGGATCGCT CACAACCA~~G~~T CGGTAGATGT
 AAAC~~T~~GGAAAT CCAGTGACCT TTCTACAGCT CGCCTAGCGA GTGTTGGTCA GCCATCTACA

 1561 CAAGAAGAGA CGTTGGGTTA CCTTCTGCTC TGCAAA~~T~~GG CCAACCTTTA ACGTCGGATG
 GTTCTTCTCT GCAACCCAAT GGAAGACGAG ACGTCTTACC GTTGGAAAT TGCAGCCTAC

 1621 GCCGCAGAC GGCACCTTTA ACCGAGACCT CATCACCCAG GTTAAGATCA AGGTCTTTTC
 CGGCGCTCTG CCGTGGAAAT TGGCTCTGGA GTAGTGGTC CAATTCTAGT TCCAGAAAAG

 1681 ACCTGGCCCG CATGGACACC CAGACCAGGT CCCCTACATC GTGACCTGGG AAGCCTTGGC
 TGGACCGGGC GTACCTGTGG GTCTGGTCCA GGGATGTAG CACTGGACCC TTCGGAACCG

 1741 TTTTGACCCC CCTCCCTGGG TCAAGCCCTT TGTACACCC~~T~~ AAGCCTCCGC CTCCCTCTCC
 AAAACTGGGG GGAGGGACCC AGTCGGGAA ACATGTGGG~~A~~ TTCGGAGGCG GAGGAGAAGG

 1801 TCCATCCGCC CCGTCTCTCC CCCTTGAAACC TCCTCGTTG~~C~~ ACCCCGCCTC GATCCTCCCT
 AGGTAGGCCG GGCAGAGAGG GGGAACTTGG AGGAGCAAGC TGGGGCGGAG CTAGGAGGGA

 1861 TTATCCAGCC CTCACTCCTT CTCTAGGCGC CCCCATATGG CCATATGAGA TCTTATATGG
 AATAGGT~~CG~~G GAGT~~G~~AGGAA GAGATCCGCG GGGTATAACC GGTATACTCT AGAATATACC

 1921 GGCACCCCG CCCCTGTAA ACTTCCCTGA CCCTGACATG ACAAGAGTTA CTAACAGCCC
 CCGTGGGGC GGGAAACATT TGAAGGGACT GGGACTGTAC GTTCTCAAT GATTGTCGGG

 1981 CTCTCTCCAA GCTCACTTAC AGGCTCTCTA CTTAGTCCAG CACGAAGTCT GGAGACCTCT
 GAGAGAGGTT CGAGTGAATG TCCGAGAGAT GAATCAGGTC GTGCTTCAGA CCTCTGGAGA

 2041 GCGGGCAGCC TACCAAGAAC AACTGGACCG ACCGGTGGTA CCTCACCC~~T~~ ACCGAGTCGG
 CCGCCGT~~CG~~ ATGGTTCTTG TTGACCTGGC TGGCCACCAT GGAGTGGGAA TGGCTCAGCC

 2101 CGACACAGTG TGGGTCCGCC GACACCAGAC TAAGAAC~~T~~ GAACCTCGCT GGAAAGGACC
 GCTGTGT~~CAC~~ ACCCAGGCGG CTGTGGTCTG ATTCTTGGAT CTTGGAGCGA CCTTTCTGG

 2161 TTACACAGTC CTGCTGACCA CCCCCACCGC CCTCAAAGTA GACGGCATCG CAGCTGGAT
 AATGTGT~~CAG~~ GACGACTGGT GGGGGTGGCG GGAGTTTCAT CTGCCGTAGC GTCGAACCTA

 2221 ACACGCCGCC CACGTGAAGG CTGCCGACCC CGGGGGTGG~~A~~ CCATCCTCTA GACTGCCATG
 TGTGCGGGCGG GTGCACTTCC GACGGCTGGG GCCCCCACCT GGTAGGAGAT CTGACGGTAC

3481 GTGTATGGNT GTGTGTGAKT GTGTGTATGT ATGNYTGTGT GTGANTGYGT GTGTGTGANT
 CACATACCNA CACACACTMA CACACATACA TACNRACACA CACTNACRCA CACACACTNA

 3541 GTGCATGTGT GTGTGTGTGA CTGTGTCTAT GTGTATGACT GTGTGTGTGT GTGTGTGTGT
 CACGTACACA CACACACACT GACACAGATA CACATACTGA CACACACACA CACACACACA

 3601 GTGTGTGTGT GTGTGTGTGT GTGTGTGTGT AAAAATATT CTATGGTAGT GAGAGCCAAC
 CACACACACA CACACACACA CACACAACAC TTTTTTATAA GATACCATCA CTCTCGGTTG

 3661 GCTCCGGCTC AGGTGTCAGG TTGGTTTTG AGACAGAGTC TTTCACTTAG CTTGGAATTG
 CGAGGCCGAG TCCACAGTCC AACCAAAAAC TCTGTCTCAG AAAGTGAATC GAACCTTAAG

 3721 TTGAAGACGA AAGGGCCTCG TGATACGCCT ATTTTATAG GTTAATGTCA TGATAATAAT
 AACTCTGCT TTCCCGGAGC ACTATGCGGA TAAAAATATC CAATTACAGT ACTATTATTA

 3781 GGTTCTTAG ACgtcAGGTG GCACCTTCG GGGAAATGTG CGCGGAACCC CTATTTGTTT
 CCAAAGAACATC TGCAGTCCAC CGTAAAAGC CCCTTACAC GCGCCTTGGG GATAAACAAA

 3841 ATTTTCTAA ATACATTCAA ATATGTATCC GTCATGAGA CAATAACCCG GATAATGCT
 TAAAAAGATT TATGTAAGTT TATACATAGG CGAGTACTCT GTTATTGGG GATTTACGA

 3901 TCAATAATAT TGAAAAGGA AGAGTATGAG TATTCAACAT TTCCGTGTCG CCCTTATTCC
 AGTTATTATA ACTTTTCCT TCTCATACTC ATAAGTTGTA AAGGCACAGC GGGATAAGG

 3961 CTTTTTGCG GCATTTGCC TTCCTGTTTG TGCTCACCCA GAAACGCTGG TGAAAGTAAA
 GAAAAAACGC CGTAAAACGG AAGGACAAAA ACGAGTGGGT CTTGCGACC ACTTTCATTT

 4021 AGATGCTGAA GATCAGTTGG GTGCACGAGT GGGTTACATC GAACTGGATC TCAACAGCGG
 TCTACGACTT CTAGTCAACC CACGTGCTCA CCCAATGTAG CTTGACCTAG AGTTGTCGCC

 4081 TAAGATCCTT GAGAGTTTC GCCCGAAGA ACGTTTCCA ATGATGAGCA CTTTTAAAGT
 ATTCTAGGAA CTCTAAAAG CGGGCTTCT TGCAAAAGGT TACTACTCGT GAAAATTCA

 4141 TCTGCTATGT GGCGCGGTAT TATCCCCTGT TGACGCCGGG CAAGAGCAAC TCGGTGCGCG
 AGACGATACA CCGGCCATA ATAGGGCACA ACTGCGGCCG GTTCTCGTTG AGCCAGCGGC

 4201 CATACACTAT TCTCAGAATG ACTGGTTGA GTACTCACCA GTCACAGAAA AGCATCTTAC
 GTATGTGATA AGAGTCTTAC TGAACCAACT CATGAGTGGT CAGTGTCTT TCGTAGAATG

 4261 GGATGGCATG ACAGTAAGAG AATTATGCAG TGCTGCCATA ACCATGAGTG ATAACACTGC
 CCTACCGTAC TGTCAATTCTC TTAATACGTC ACGACGGTAT TGGTACTCAC TATTGTGACG

 4321 GGCCAACTTA CTTCTGACAA CGATCGGAGG ACCGAAGGAG CTAACCGCTT TTTTGACCAA
 CGGGTTGAAT GAAGACTGTT GCTAGCCTCC TGGCTTCCTC GATTGGCGAA AAAACGTGTT

 4381 CATGGGGGAT CATGTAACTC GCCTTGATCG TTGGGAACCG GAGCTGAATG AAGCCATACC
 GTACCCCCCTA GTACATTGAG CGGAACTAGC AACCCCTTGGC CTCGACTTAC TTCGGTATGG

 4441 AAACGACGAG CGTGACACCA CGATGCCTGC AGCAATGGCA ACAACGTTGC GCAAACATT
 TTTGCTGCTC GCACTGTGGT GCTACGGACG TCGTTACCGT TGTTGCAACG CGTTTGATAA

 4501 AACTGGCGAA CTACTTACTC TAGCTTCCCG GCAACAATTA ATAGACTGGA TGGAGGGCGGA
 TTGACCCGCTT GATGAATGAG ATCGAAGGGC CGTTGTTAAT TATCTGACCT ACCTCCGCCT

 4561 TAAAGTTGCA GGACCACTTC TGCCTCGGC CCTTCCGGCT GGCTGGTTA TTGCTGATAA
 ATTTCAACGT CCTGGTGAAG ACGCGAGCCG GGAAGGCCGA CCGACCAAAT AACGACTATT

 4621 ATCTGGAGCC GGTGAGCGTG GGTCTCGCGG TATCATTGCA GCACTGGGGC CAGATGGTAA
 TAGACCTCGG CCACTCGCAC CCAGAGCGCC ATAGTAACGT CGTGACCCCG GTCTACCATT

4681 GCCCTCCCGT ATCGTAGT TCTACACGAC GGGGAGTCAG GCCTATGG ATGAACGAAA
 CGGGAGGGCA TAGCATCAAT AGATGTGCTG CCCCTCAGTC CGTTGATACC TACTTGCTTT
 4741 TAGACAGATC GCTGAGATAG GTGCCTCACT GATTAAGCAT TGGTAACTGT CAGACCAAGT
 ATCTGTCTAG CGACTCTATC CACGGAGTGA CTAATTGTA ACCATTGACA GTCTGGTTCA
 4801 TTACTCATAT ATACTTTAGA TTGATTTAAA ACTTCATTT TAATTTAAA GGATCTAGGT
 AATGAGTATA TATGAAATCT AACTAAATTG TGAAGTAAA ATTAAATTG CCTAGATCCA
 4861 GAAGATCCTT TTTGATAATC TCATGACCAA AATCCCTTAA CGTGAGTTT CGTTCCACTG
 CTTCTAGGAA AAACATATTAG AGTACTGGTT TTAGGGAATT GCACTAAAA GCAAGGTGAC
 4921 AGCGTCAGAC CCCGTAGAAA AGATCAAAGG ATCTTCTTGA GATCCTTTT TTCTGCGCGT
 TCGCAGTCTG GGGCATCTT TCTAGTTCC TAGAAGAACT CTAGGAAAAA AAGACGCGCA
 4981 AATCTGCTGC TTGCAAACAA AAAAACCAACC GCTACCAGCG GTGGTTGTT TGCCGGATCA
 TTAGACGACG AACGTTGTT TTTTGGTGG CGATGGTCGC CACCAAACAA ACGGCCTAGT
 5041 AGAGCTACCA ACTCTTTTC CGAAGGTAAC TGGCTTCAGC AGAGGCCAGA TACCAAATAC
 TCTCGATGGT TGAGAAAAAG GCTTCCATTG ACCGAAGTCG TCTCGCGTCT ATGGTTATG
 5101 TGTCCTTCTA GTGTAGCCGT AGTTAGGCCA CCACTTCAAG AACTCTGTAG CACCGCCTAC
 ACAGGAAGAT CACATCGGCA TCAATCCGGT GGTGAAGTTC TTGAGACATC GTGGCGGATG
 5161 ATACCTCGCT CTGCTAATCC TGTTACCAAGT GGCTGCTGCC AGTGGCGATA AGTCGTGTCT
 TATGGAGCGA GACGATTAGG ACAATGGTCA CCGACGACGG TCACCGCTAT TCAGCACAGA
 5221 TACCGGGTTG GACTCAAGAC GATAAGTACCG GGATAAGGCG CAGCGGTGG GCTGAACGGG
 ATGGCCCAAC CTGAGTTCTG CTATCAATGG CCTATTCCGC GTCGCCAGCC CGACTTGC
 5281 GGGTTCGTGC ACACAGCCC A GCTTGGAGCG AACGACCTAC ACCGAACTGA GATACTACA
 CCCAAGCACG TGTGTCGGGT CGAACCTCGC TTGCTGGATG TGGCTTGACT CTATGGATGT
 5341 GCGTGAGCTA TGAGAAAGCG CCACGCTTCC CGAAGGGAGA AAGGCGGACA GGTATCCGGT
 CGCACTCGAT ACTCTTCGCG GGTGCGAAGG GCTTCCCTCT TTCCGCTGT CCATAGGCCA
 5401 AAGCGGCAGG GTCGGAACAG GAGAGCGCAC GAGGGAGCTT CCAGGGGGAA ACGCCTGGTA
 TTCGCCGTCC CAGCCTTGTC CTCTCGCGT CTCCCTCGAA GGTCCCCCTT TGC GGACC
 5461 TCTTTATAGT CCTGTCGGGT TTGCCACCT CTGACTTGAG CGTCGATTTT TGTGATGCTC
 AGAAATATCA GGACAGCCC AAGCGGTGGA GACTGAACTC GCAGCTAAA AACTACGAG
 5521 GTCAGGGGGG CGGAGCCTAT GGAAAAACGC CAGCAACGCG GCCTTTTAC GGTTCC
 CAGTCCCCCC GCCTCGGATA CCTTTTGCG GTCGTTGCGC CGGAAAAATG CCAAGGACCG
 5581 CTTTGCTGG CCTTTGCTC ACATGTTCTT TCCTGCGTTA TCCCCTGATT CTGTGGATAA
 GAAAACGACC GGAAAACGAG TGTACAAGAA AGGACCGAAT AGGGGACTAA GACACCTATT
 5641 CCGTATTACC GCCTTGAGT GAGCTGATAC CGCTCGCCGC AGCCGAAACGA CCGAGCGCAG
 GGCAATAATGG CGGAAACTCA CTCGACTATG GCGAGCGGGCG TCGGCTTGCT GGCTCGCGTC
 5701 CGAGTCAGTG AGCGAGGAAG CGGAAGAGCG CCTGATGCGG TATTTCTCC TTACGCATCT
 GCTCAGTCAC TCGCTCCTTC GCCTTCTCGC GGACTACGCC ATAAAAGAGG AATGCGTAGA
 5761 GTGCGGTATT TCACACCGCA TATGGTGCAC TCTCAGTACA ATCTGCTCTG ATGCCGCATA
 CACGCCATAA AGTGTGGCGT ATACCACGTG AGAGTCATGT TAGACGAGAC TACGGCGTAT
 5821 GTTAAGCCAG TATACACTCC GCTATCGCTA CGTGACTGGG TCATGGCTGC GCCCCGACAC
 CAATTGGTC ATATGTGAGG CGATAGCGAT GCACTGACCC AGTACCGACG CGGGGCTGTG

5881 CCGCCAACAC CCGCTGACGCCCTGACGG GCTTGTCTGC TCCGCATC CGCTTACAGA
 GGCGGTTGTG GGCGACTGCG CGGGACTGCC CGAACAGACG AGGGCCGTAG GCGAATGTCT

 5941 CAAGCTGTGA CCGCTCTCCGG GAGCTGCATG TGTCAGAGGT TTTCACCGTC ATCACCGAAA
 GTTCGACACT GGCAGAGGCC CTCGACGTAC ACAGTCTCCA AAAGTGGCAG TAGTGGCTTT

 6001 CGCGCGAGGC AGCTCGGGTA AAGCTCATCA GCGTGGTCGT GAAGCGATTG ACAGATGTCT
 GCGCGCTCCG TCGACGCCAT TTGAGTAGT CGCACCCAGCA CTTCGCTAAG TGTCTACAGA

 6061 GCCTGTTCAT CCGCGTCCAG CTCGTTGAGT TTCTCCAGAA GCGTTAATGT CTGGCTCTG
 CGGACAAGTA GGCGCAGGTC GAGCAACTCA AAGAGGTCTT CGCAATTACA GACCGAAGAC

 6121 ATAAAGCGGG CCATGTTAAG GGCGGTTTT TCCTGTTGG TCACTTGATG CCTCCGTGTA
 TATTCGCCCG GGTACAATTG CCGCCAAAAA AGGACAAACC AGTGAACATAC GGAGGCACAT

 6181 AGGGGAAATT TCTGTTCATG GGGGTAATGA TACCGATGAA ACGAGAGAGG ATGCTCACGA
 TCCCCCTTAA AGACAAAGTAC CCCCATTAAT ATGGCTACTT TGCTCTCTCC TACGAGTGCT

 6241 TACGGGTTAC TGATGATGAA CATGCCCGT TACTGGAACG TTGTGAGGGT AAACAACCTGG
 ATGCCCAATG ACTACTACTT GTACGGGCCA ATGACCTTGC AACACTCCC TTTGTTGACC

 6301 CGGTATGGAT GCGGCGGGAC CAGAGAAAAA TCACTCAGGG TCAATGCCAG CGCTTGTGTA
 GCCATACCTA CGCCGCCCTG GTCTCTTTT AGTGAAGTCCC AGTTACGGTC GCGAAGCAAAT

 6361 ATACAGATGT AGGTGTTCCA CAGGGTAGCC AGCAGCATCC TCGGATGCAG ATCCGGAACA
 TATGTCTACA TCCACAAAGGT GTCCCATCGG TCGTCGTAGG ACGCTACGTC TAGGCCTTGT

 6421 TAATGGTGCA GGGCGCTGAC TTCCGCGTT CCAGACTTTA CGAAACACGG AAACCGAAGA
 ATTACCAACGT CCCGCGACTG AAGGCGAAA GGTCTGAAAT GCTTGTGCC TTTGGCTTCT

 6481 CCATTGATGT TGTTGCTCAG GTCGCAGACG TTTTGCAGCA GCAGTCGCTT CACGTTGCT
 GGTAAGTACA ACAACGAGTC CAGCGTCTGC AAAACGTCGT CGTCAGCGAA GTGCAAGCGA

 6541 CGCGTATCGG TGATTCATTC TGCTAACCAAG TAAGGCAACC CCGCCAGCCT AGCCGGGTCC
 GCGCATAGCC ACTAAGTAAG ACGATTGGTC ATTCCGTTGG GGCGGTGCGA TCGGCCAGG

 6601 TCAACGACAG GAGCACGATC ATGCGCACCC GTGGCCAGGA CCCAACGCTG CCCGAGATGC
 AGTTGCTGTC CTCGTCTAG TACCGTGGGG CACCGGTCTT GGGTTGCGAC GGGCTCTACG

 6661 GCGCGTGCCT GCTGCTGGAG ATGGCGGACG CGATGGATAAT GTTCTGCCAA GGGTTGGTTT
 CGCGCACGC CGACGACCTC TACCGCCTGC GCTACCTATA CAAGACGGTT CCCAACCAA

 6721 GCGCATTCAC AGTTCTCCGC AAGAATTGAT TGGCTCCAAT TCTTGGAGTG GTGAATCCGT
 CGCGTAAGTG TCAAGAGGCG TTCTTAACCA ACCGAGGTTA AGAACCTCAC CACTTAGGCA

 6781 TAGCGAGGTG CCGCCGGCTT CCATTCAAGT CGAGGTGGCC CGGCTCCATG CACCGCGACG
 ATCGCTCCAC GGCGGCCGAA GTTAAGTCCA GCTCCACCGG GCGGAGGTAC GTGGCGCTGC

 6841 CAAACGGGGG AGGCAGACAA GGTATAGGGC GGCCTACCA ATCCATGCCA ACCCGTTCCA
 GTTGCCTCCCC TCCGTCTGTT CCATATCCCG CCGCGGATGT TAGGTACGGT TGGGCAAGGT

 6901 TGTGCTGCCC GAGGGGGCAT AAATCGCCGT GACGATCAGC GGTCCAGTGA TCGAAGTTAG
 ACACGAGCGG CTCCGCCGTA TTTAGCGGCA CTGCTAGTCG CCAGGTCACT AGCTTCAATC

 6961 GCTGGTAAGA GCGCGAGCG ATCCCTGAAG CTGTCCTGA TGGTCGTCTAT CTACCTGCCT
 CGACCATTCT CGCGCGCTCGC TAGGAACCTTC GACAGGGACT ACCAGCAGTA GATGGACCGA

 7021 GGACAGCATG GCCTGCAACG CGGGCATCCC GATGCCGCCG GAAGCGAGAA GAATCATAAT
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7081 GGGGAAGGCC ATCCAGCC CCGTCGCGAA CGCCAGCAAG ACCTAGCCCA GCGCGTCGGC
 CCCCTCCGG TAGGTCGGAG CGCAGCGTT GCGGTCGTT TGCATCGGGT CGCGCAGCCG

 7141 CGCCATGCCG GCGATAATGG CCTGCTTCTC GCCGAAACGT TTGGTGGCGG GACCAGTGAC
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 7201 GAAGGCTTGA GCGAGGGCGT GCAAGATTCC GAATACCGCA AGCGACAGGC CGATCATCGT
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 7261 CGCGCTCCAG CGAAAGCGGT CCTCGCCGAA AATGACCCAG AGCGCTGCCG GCACCTGTCC
 GCGCGAGGTC GCTTCGCCA GGAGCGGCTT TTACTGGTC TCGCGACGGC CGTGGACAGG

 7321 TACGAGTTGC ATGATAAAAGA AGACAGTCAT AAGTGCGGCG ACGATAGTCA TGCCCCGCGC
 ATGCTCAACG TACTATTCT TCTGTCAGTA TTCACGCCGC TGCTATCAGT ACGGGGCGCG

 7381 CCACCGGAAG GAGCTGACTG GGTTGAAGGC TCTCAAGGGC ATCGGTCGAC GCTCTCCCTT
 GGTGGCCTTC CTCGACTGAC CCAACTCCG AGAGTTCCCG TAGCCAGCTG CGAGAGGGAA

 7441 ATCGGACTCC TGCATTAGGA AGCAGCCCAG TAGTAGGTTG AGGCCGTTGA GCACCGCCGC
 TACGCTGAGG ACGTAATCCT TCGTCGGTC ATCATCCAAC TCCGGCAACT CGTGGCGGCG

 7501 CGCAAGGAAT GGTGCATGCA AGGAGATGGC GCCAACAGT CCCCCGGCCA CGGGGCCTGC
 GCGTTCCCTA CCACGTACGT TCCTCTACCG CGGGTTGTCA GGGGGCCGGT GCCCCGGACG

 7561 CACCATACCC ACGCCGAAAC AAGCGCTCAT GAGCCCGAAG TGGCGAGCCC GATCTTCCCC
 GTGGTATGGG TGCGGCTTTG TTGCGAGTA CTCGGCTTC ACCGCTCGGG CTAGAAGGGG

 7621 ATCGGTGATG TCGCGATAT AGGCGCCAGC AACCGCACCT GTGGCGCCGG TGATGCCGGC
 TAGCCACTAC AGCCGCTATA TCCGCGGTGCG TTGGCGTGG AACCAGGGCC ACTACGGCCG

 7681 CACGATGCGT CGGGCGTAGA GCGCCACAGG ACGGGTGTGG TCGCCATGAT CGCGTAGTCG
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 7741 ATAGTGGCTC CAAGTAGCGA AGCGAGCAGG ACTGGGCGGC GGCCAAAGCG GTCGGACAGT
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 7801 GCTCCGAGAA CGGGTGCAGA TAGAAATTGC ATCAACGCAT ATAGCGCTAG CAGCACGCCA
 CGAGGCTCTT GCCCACGCGT ATCTTAAACG TAGTTGCGTA TATCGCGATC GTCGTGCGGT

 7861 TAGTGACTGG CGATGCTGTC GGAATGGACG ATATCCCGCA AGAGGCCGG CAGTACCGGC
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 7921 ATAACCAAGC CTATGCCTAC AGCATCCAGG GTGACGGTGC CGAGGATGAC GATGAGCGCA
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 7981 TTGTTAGATT TCATACACGG TGCCTGACTG CGTTAGCAAT TTAACTGTGA TAAACTACCG
 AACAAATCTAA AGTATGTGCC ACGGACTGAC GCAATCGTTA AATTGACACT ATTTGATGGC

 8041 CATTA
 GTAAT